

Work Order ID 53934

November 23, 2009 2:53:16 PM

Page 1



Item ID: D3936-1

Accept



Setup Start



Revision ID: A

Stop



Item Name: Sides

Start Date: 23/11/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 02/12/2009 Req'd Qty: 2.00



Customer:

Reference:

Approvals:

Process Plan:

PR

Date: 09-11-23

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr	Revision Nbr
D3936	A

Pto →

100

0.00



Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D3936

Dwg Rev: *A*

Prog Rev: *A*

grain direction per dwg

2-Deburr if necessary

IB 9-12-9

(4)

110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

IB 9-12-9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D3936-1 PAR #: _____ Fault Category: Small Fab - water Jet NCR: (Yes) No DQA: [Signature] Date: 10/02/10
 Resolution: Scrap Disposition: Scrap QA: N/C Closed: [Signature] Date: 10/02/11

NCR: 53934		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
9/12/10	#110	Found Qty 4 @ inspection with the extra holes at top right ^{left} hand corner ^{W/Some Air} Program started in wrong location origin was off.	[Signature]	- Scrap & Destroy no replace extra was made.	[Signature] 9/10/10	8 09/12/10	[Signature]	[Signature] 09/12/10
		Program Lack of Attention.	[Signature]	- update / correct the program, so it starts in the correct location	N/A	[Signature] 10/02/10	[Signature]	[Signature] 10/02/09

NOTE: Date & initial all entries

Work Order ID 53934

November 23, 2009 2:53:16 PM



Page 2

Item ID: D3936-1

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Setup Start



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Stop



Item Name: Sides

Start Date: 23/11/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 02/12/2009 Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC8- Inspect parts - second check

0.00



275 02/12/10

QC

Memo

0.00

(K3)

K

Quality Control

121

Memo

0.00



Small Fab

1- C'sink holes as per dwg

0.00

Small Fab

9/5/02/08 (3)

130

Memo

0.00



Brake NC

Bend and make joggle as per Dwg

0.00

Brake NC

8/10/02/05

(3)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 53934

Page 3

November 23, 2009 2:53:16 PM

Item ID: D3936-1

Accept



Setup Start



Revision ID: A

Stop



Item Name: Sides

Start Date: 23/11/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 02/12/2009 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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140

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

2) 8/10/02/09

(A3)

Quality Control

150

Identify as per dwg & Stock Location: G-A

0.00



Packaging

Memo

0.00

Packaging

E 8/10/02/09 (3)

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/02/09 HJ

MF 10-2-9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/02/09	145	Chemical conversion	10/02/09 BR perm change	10-02-9	3		
10/02/09	146	Qc 3 M 181	10/02/09 JH perm change	10-02-9			

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November 23, 2009 2:53:24 PM

Page 1

Work Order ID: 53934

Parent Item: D3936-1RevA

Parent Item Name: Sides



Comments:

Start Date: 23/11/2009

Required Date: 02/12/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
M6061T6S.040		Purchased	No			100	sf	249.0005	5.7895	11.6		
<div>   </div>												
6061-T6 .040 Sheet												

LB 9-129

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
MAT	249.0005	
100742	3.3	
102723	5.93	
105842	12	
106747	5.7516	
107461	11.7841	
109396	17.9316	
111224	23.0629	
113004	167.7403	
19380	1.5	

113004

4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	53934
Description: Sides		Part Number:	D3936-1
Inspection Dwg: D3936		Rev: A	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

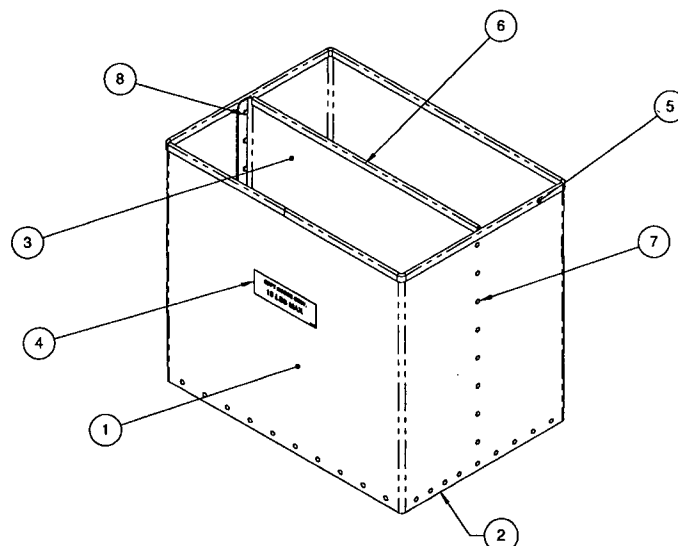
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.098	+0.004/-0.001	.100	✓			
0.300	+/-0.010	.301	✓			
1.200	+/-0.010	1.198	✓			
8.400	+/-0.010	8.401	✓			
1.200	+/-0.010	1.201	✓			
10.100	+/-0.010	10.100	✓			
0.300	+/-0.010	.300	✓			
1.200	+/-0.010	1.200	✓			
2.100	+/-0.010	2.1001	✓			
0.700	+/-0.010	.699	✓			
4.698	+/-0.010	4.698	✓			
9.900	+/-0.010	9.900	✓			
1.100	+/-0.010	1.100	✓			
18.996	+/-0.010	18.996	✓			
2.100	+/-0.010	2.099	✓			
0.700	+/-0.010	.701	✓			
23.993	+/-0.010	23.993	✓			
2.700	+/-0.010	2.703	✓			
0.900	+/-0.010	.903	✓			
39.198	+/-0.010	39.198	✓			
0.040	+/-0.010	.041	✓			

Measured by:	B	Audited by:	S	Prototype Approval:	N/A
Date:	9-12-9	Date:	09/12/10	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	09.09.21	New Issue	KJ	M

SECRET
KIT
INC
UNCONTROLLED

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	1	D3936-1	SIDES
2	1	D3936-3	BOTTOM
3	1	D3936-5	DIVIDER
4	1	D3938-3	PLACARD
5	1	D3941-40	RUBBER CUSHION
6	1	D3941-12	RUBBER CUSHION
7	56	MS20426AD3-4	RIVET
8	8	MS20426AD3-5	RIVET



D3936-041 MAPBOX ASSEMBLY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "BLACK SANDTEX" (4.3.5.7) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3936-041" AND B/N USING A WHITE FINE POINT PAINT MARKER
- 7) WEIGHT: 2.54 lbs

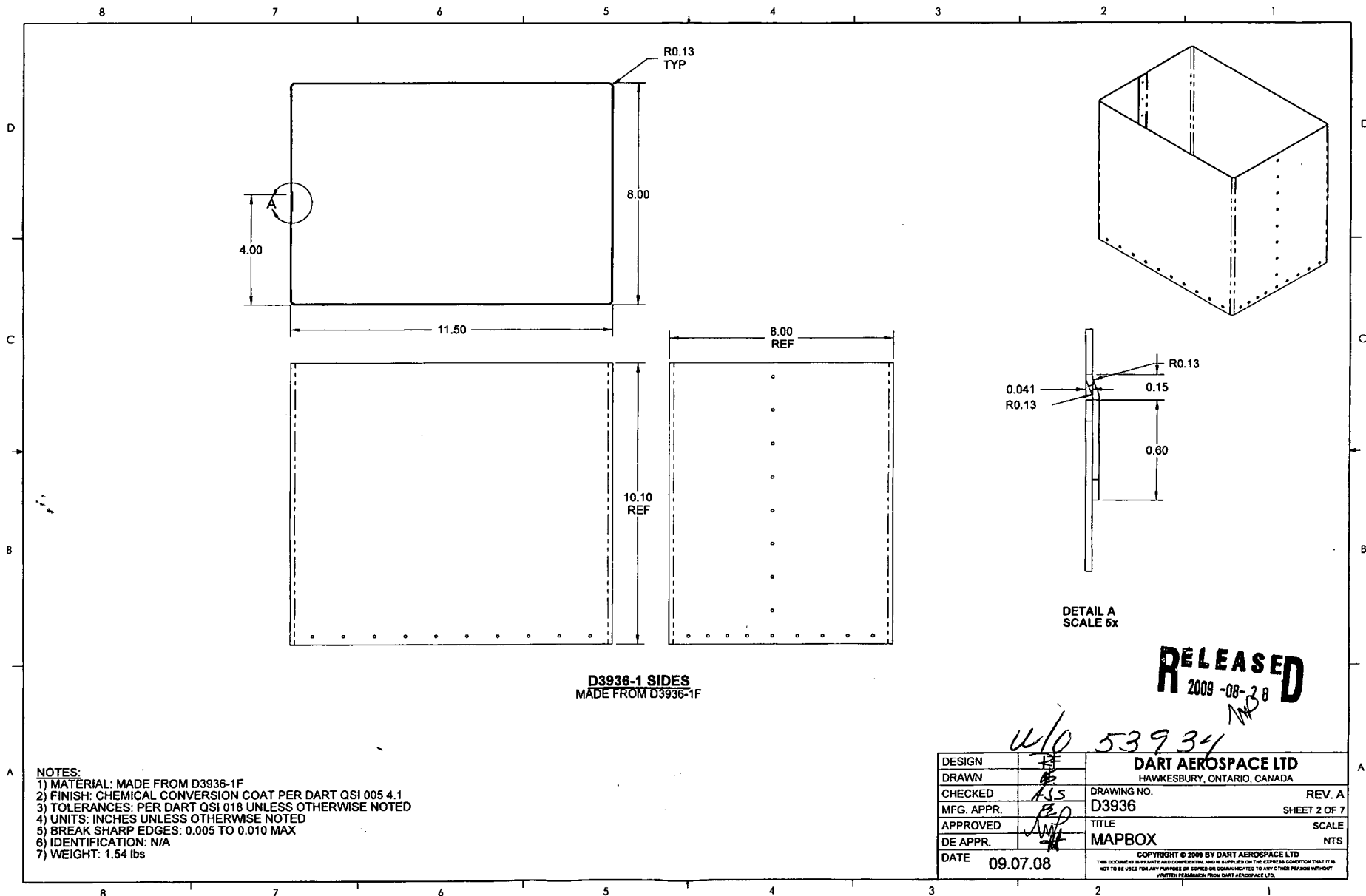
ASSEMBLY INSTRUCTIONS

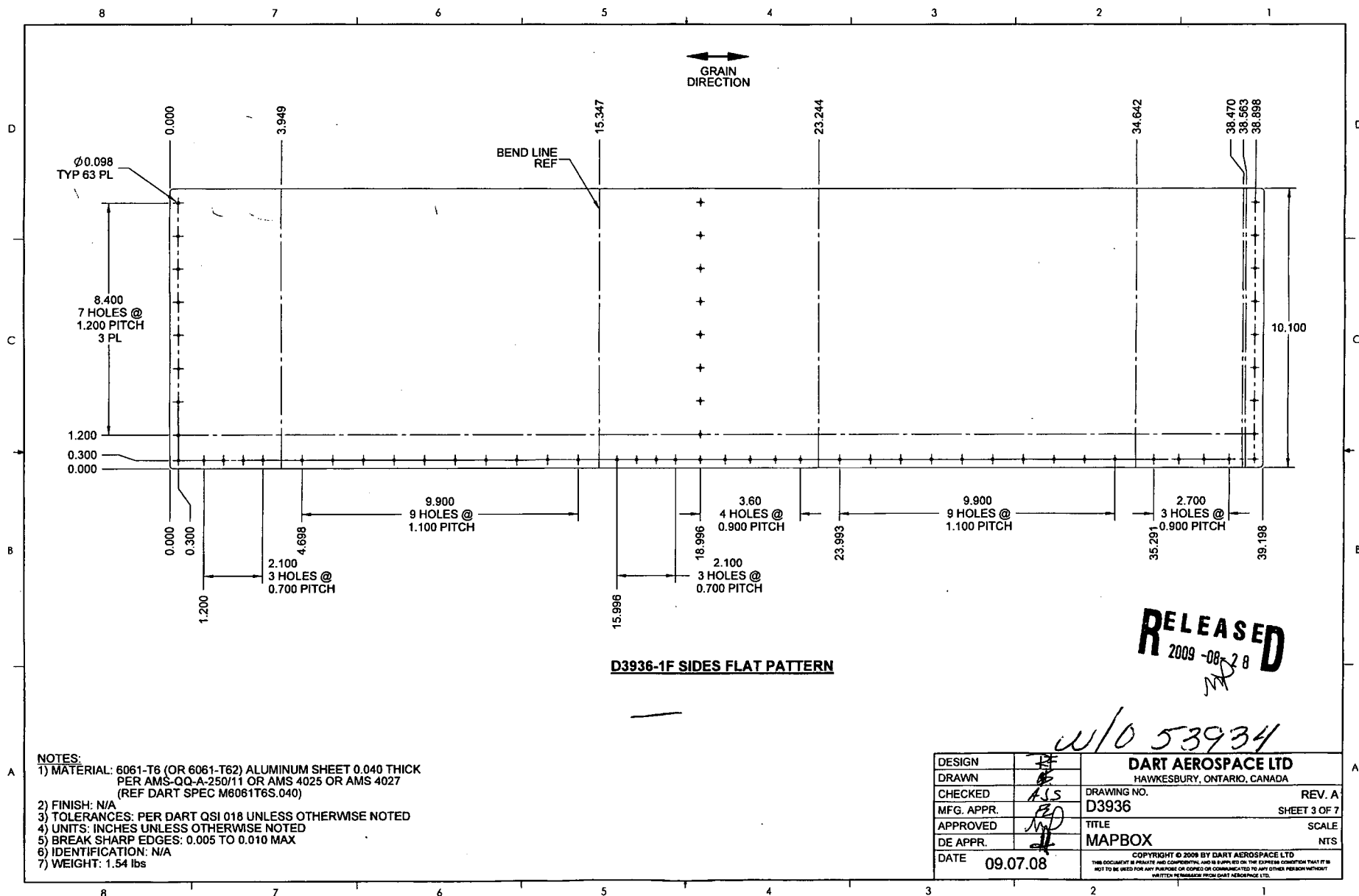
1. BEND D3936-1/-3/-5 PARTS PER SHEETS 2-7.
2. POSITION D3936-5 DIVIDER IN PLACE INSIDE THE D3936-1 SIDES AND CLECO IN PLACE.
3. POSITION THE D3936-3 BOTTOM IN PLACE AGAINST THE D3936-5 DIVIDER AND INSIDE THE D3936-1 SIDES.
4. TRANSFER DRILL 10X $\phi 0.098$ (#40 DRILL) HOLES FROM THE D3936-3 BOTTOM TO THE D3936-5 DIVIDER. PLACE CLECOS IN TRANSFER DRILLED HOLES TO MAINTAIN ALIGNMENT AS THEY ARE DRILLED.
5. TRANSFER DRILL 38X $\phi 0.098$ HOLES FROM D3936-1 SIDES TO D3936-3 BOTTOM. PLACE CLECOS IN TRANSFER DRILLED HOLES TO MAINTAIN ALIGNMENT AS THEY ARE DRILLED.
6. REMOVE ALL CLECOS AND COUNTERSINK 64X EXTERIOR HOLES $\phi 0.179 \times 100^\circ$. DEBURR ALL HOLES IN ALL PARTS.
7. REASSEMBLE PARTS USING CLECOS IN EVERY THIRD HOLE TO MAINTAIN ALIGNMENT.
8. RIVET D3936-1 SIDE TO D3936-5 DIVIDER USING MS20426AD3 RIVETS. INSTALL MS20426AD3 RIVETS RANDOMLY THROUGHOUT ASSEMBLY SO THAT ALL PARTS ARE DRAWN TOGETHER EVENLY.
9. RIVET D3936-5 DIVIDER TO D3936-3 BOTTOM USING MS20426AD3 RIVETS. INSTALL MS20426AD3 RIVETS RANDOMLY THROUGHOUT ASSEMBLY SO THAT ALL PARTS ARE DRAWN TOGETHER EVENLY.
10. RIVET D3936-3 BOTTOM TO D3936-1 SIDE USING MS20426AD3 RIVETS. INSTALL MS20426AD3 RIVETS RANDOMLY THROUGHOUT ASSEMBLY SO THAT ALL PARTS ARE DRAWN TOGETHER EVENLY.
11. POWDER COAT ASSEMBLY PER NOTE 2.
12. TEST FIT RUBBER CUSHION TO TOP EDGE OF MAPBOX. TRIM AS REQUIRED FOR PROPER FIT.
13. REMOVE RUBBER CUSHION.
14. APPLY SMALL BEAD OF SILICONE/ADHESIVE TO TOP EDGE OF MAPBOX.
15. SLIDE RUBBER CUSHION OVER EDGE AND PRESS INTO SILICONE/ADHESIVE.
16. WIPE OFF ANY EXCESS SILICONE/ADHESIVE BEFORE IT DRIES/CURES.
17. APPLY D3938-3 PLACARD AS SHOWN.
18. ALLOW SEALANT/ADHESIVE TO CURE/DRY 24 HRS BEFORE SHIPPING PART.

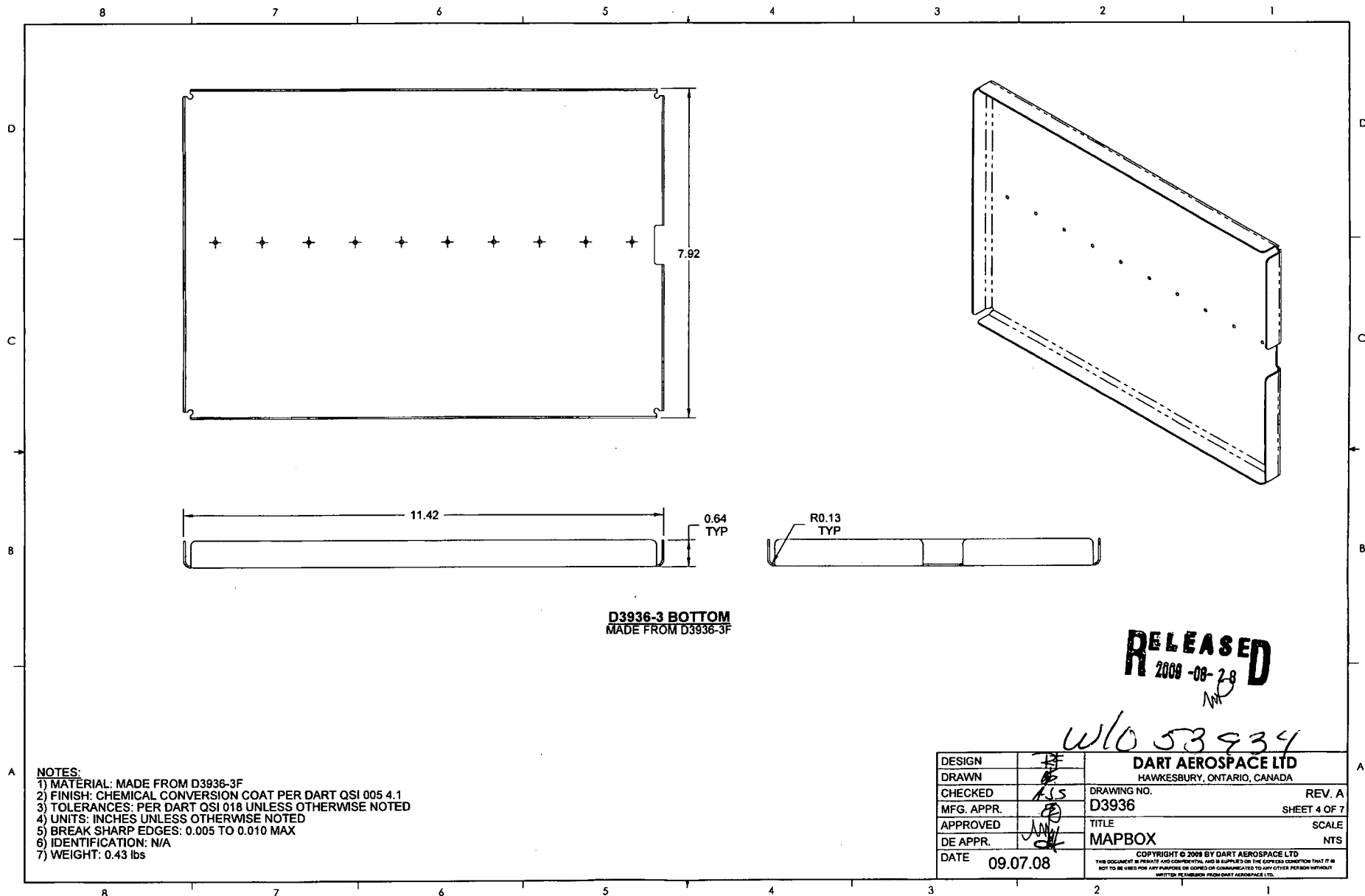
RELEASED
2009-08-28
JMD

A	NEW ISSUE	BY	09.07.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.08		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D3936	REV. A
TITLE MAPBOX	SCALE NTS
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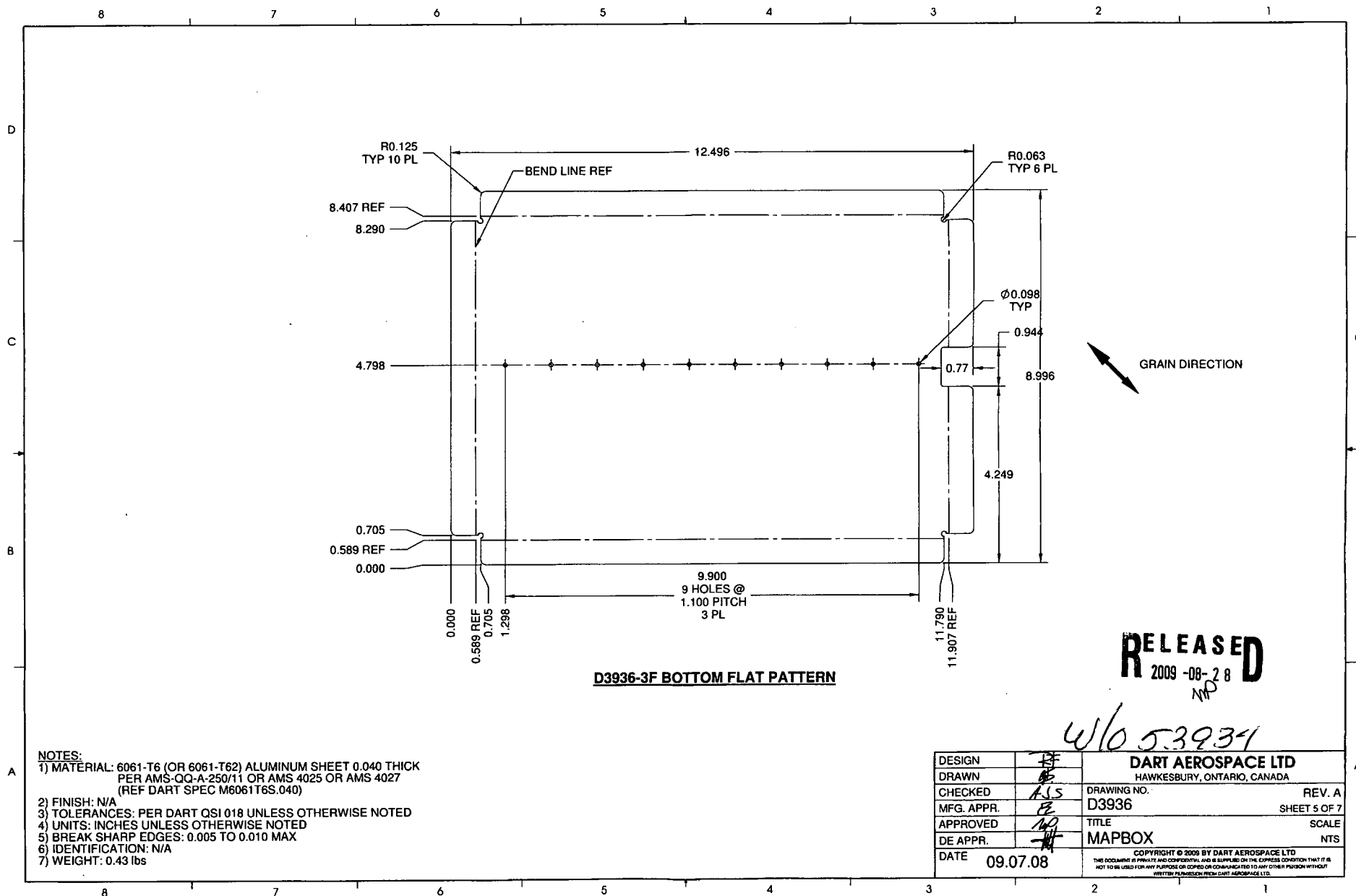


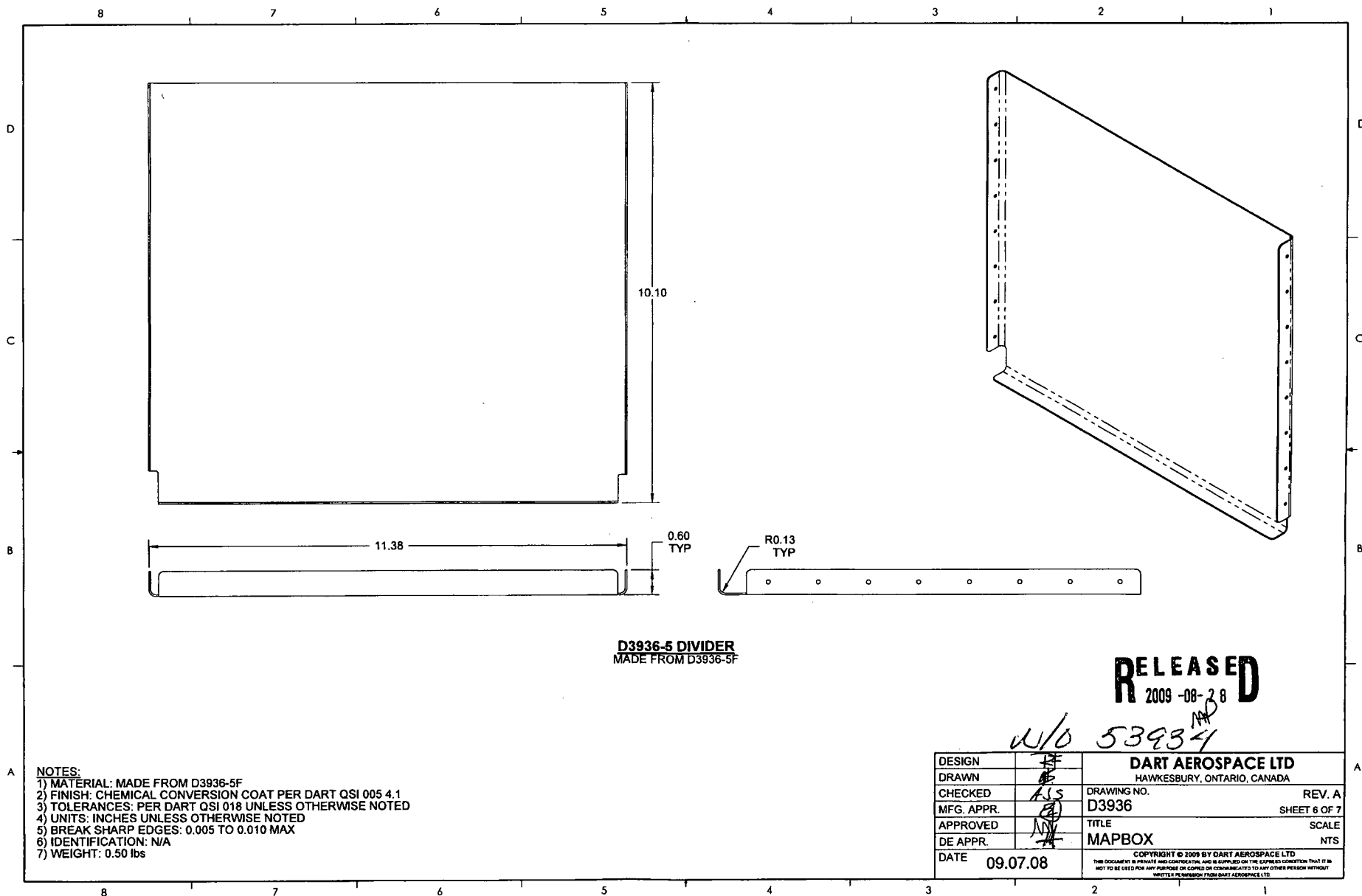




RELEASED
2009-08-28

W10 53934





NOTES:

- 1) MATERIAL: MADE FROM D3936-5F
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.50 lbs

